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10x NB75 Btk PRODUCTION SUPERNATANT

↓ SPIN

↓ .2 μ FILTER

CRUDE .2 μ SUPERNATANT

↓ 5K ULTRAFILTRATION

5K PERMEATE

↓ SP CATION EXCHANGE

SP POOL

↓ CONC. BY LYOPHILIZATION

↓ P2 GEL FILTRATION

P2 POOL

↓ SP HPLC

SP HPLC POOL

↓ MULTIPLE LYOPHILIZATION

PURE COMPOUND

FIG.1

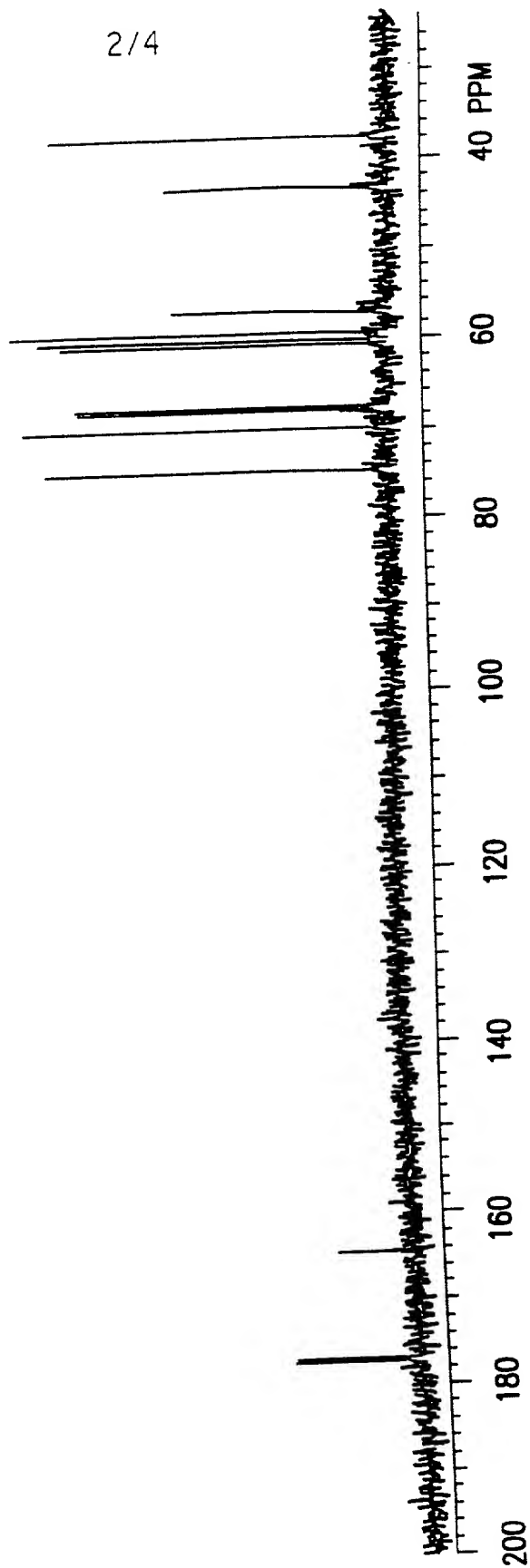
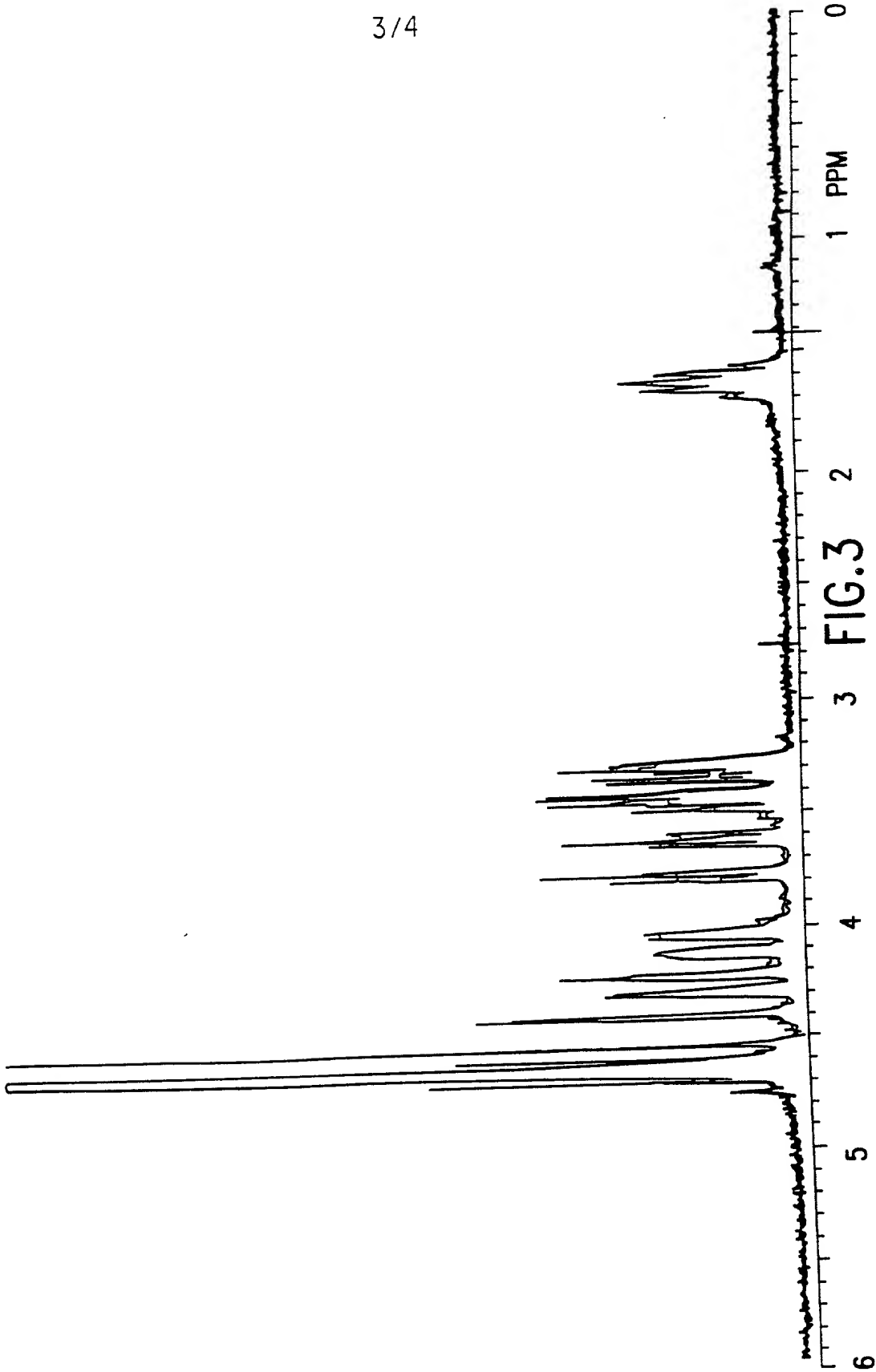


FIG.2

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nOe's observed : 8.2 \longrightarrow 5.17
 8.06 \longrightarrow 5.17; 5.34

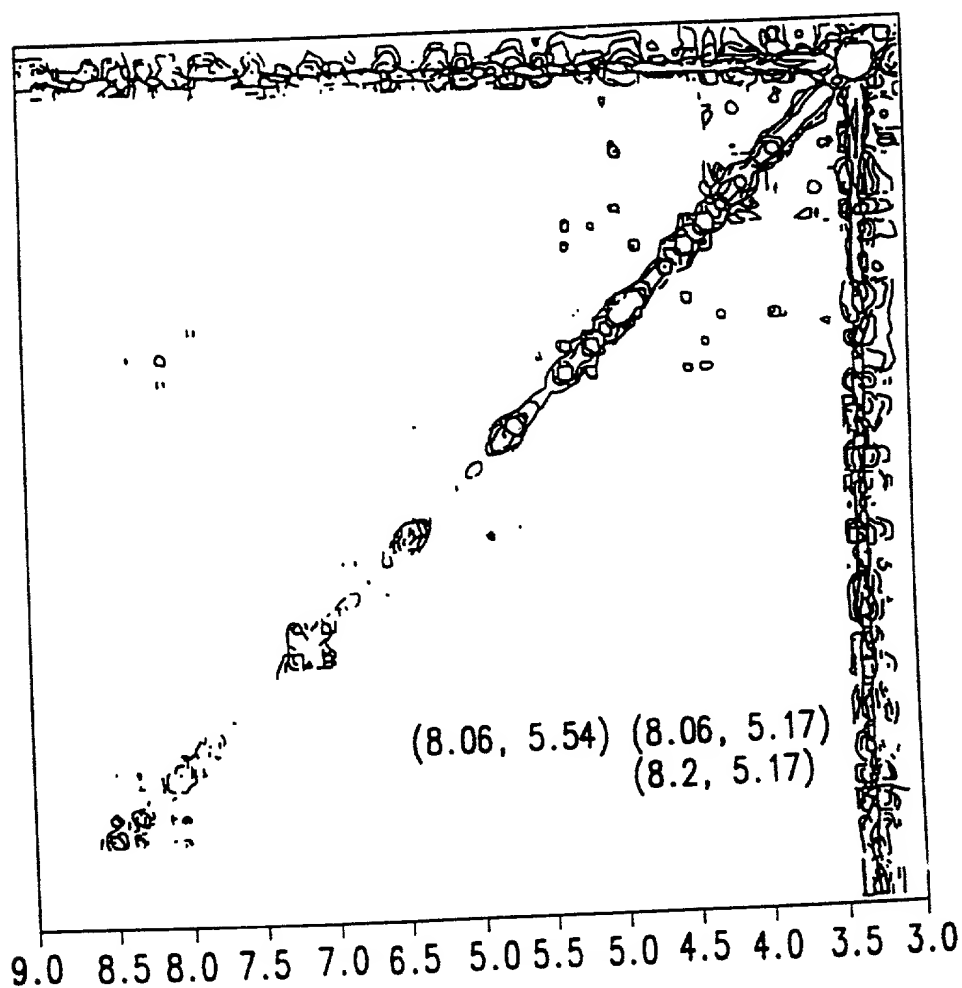
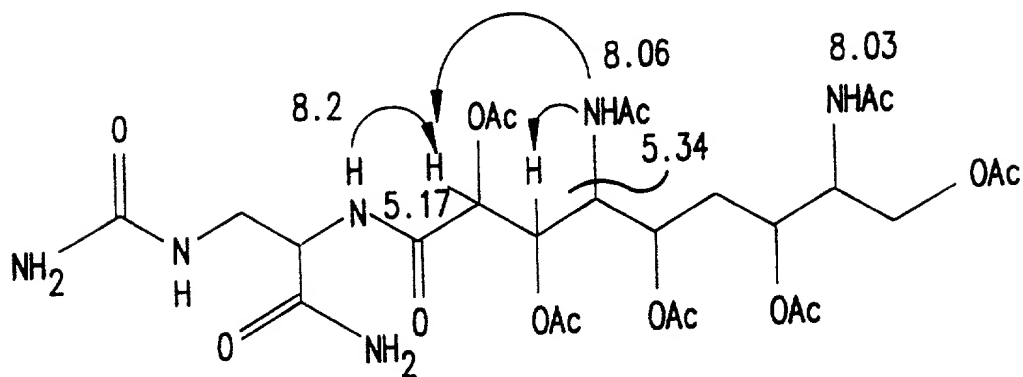


FIG.4